

# INVITATION TO BID

STATE OF LOUISIANA

DIVISION OF ADMINISTRATION

OFFICE OF STATE PURCHASING



BIDS WILL BE PUBLICLY OPENED:

**DEC 02, 2003 10:00 AM**

PURCHASING AGENCY NO. : 107001

=====> VENDOR NO. :  
SOLICITATION : 2184240  
FILE NO. : K30405U  
OPENING DATE : 12/02/03

**SEE NO. 8 BELOW. RETURN BID TO**

2184240 12/02/03 10:00 AM  
K30405U

OFFICE OF STATE PURCHASING  
OFFICE OF STATE PURCHASING  
POST OFFICE BOX 94095  
BATON ROUGE, LA 70804-9095

BUYER : NICK CASCIO, CPPB  
BUYER PHONE : (225) 342-8042  
DATE ISSUED : 11/06/03  
REQ. AGENCY : 513FUR FOLD HERE-->  
WILDLIFE & FISHERIES  
AGENCY REQ. NO. : 513F026  
ISIS REQ. NO. : 1255953  
VENDOR PHONE :  
FISCAL YEAR : 04  
CLASS/SUBCLASS : 21029  
SCHEDULED BEGIN DATE : 00/00/00  
SCHEDULED END DATE : 00/00/00  
T-NUMBER :

VENDOR NAME AND ADDRESS

**FILL IN VENDOR NUMBER (FEIN), NAME AND ADDRESS ABOVE, BEFORE SUBMITTING BID.**

*FURNISH & DELIVER NEW 30' LONG X 48" DIA  
ALUMINUM CULVERT AND AUTO. SCREW GATE*

## TO BE COMPLETED BY VENDOR

1. \_\_\_\_\_ PLEASE REMOVE FROM THIS COMMODITY CODE.
2. \_\_\_\_\_ DELIVERY WILL BE MADE IN THIS NUMBER OF DAYS AFTER RECEIPT OF ORDER.
3. \_\_\_\_\_ % CASH DISCOUNT FOR PROMPT PAYMENT IF MADE WITHIN THIRTY (30) DAYS. CASH DISCOUNTS FOR LESS THAN 30 DAYS OR LESS THAN 1% WILL BE ACCEPTED, BUT WILL NOT BE CONSIDERED IN DETERMINING AWARDS. ON INDEFINITE QUANTITY TERM CONTRACTS, CASH DISCOUNTS WILL BE ACCEPTED AND TAKEN BUT WILL NOT BE CONSIDERED IN DETERMINING AWARDS.
4. \_\_\_\_\_ BID BOND ATTACHED, \_\_\_\_\_ CERTIFIED CHECK ATTACHED, \_\_\_\_\_ OTHER, IF REQUIRED.
5. \_\_\_\_\_ BID REFERENCE NUMBER. (THIS NUMBER WILL APPEAR ON RESULTING ORDER OR CONTRACT).

## INSTRUCTIONS TO BIDDERS

1. READ THE ENTIRE BID, INCLUDING ALL TERMS AND CONDITIONS AND SPECIFICATIONS.
2. ALL BID PRICES MUST BE TYPED OR WRITTEN IN INK. ANY CORRECTIONS, ERASURES OR OTHER FORMS OF ALTERATION TO UNIT PRICES SHOULD BE INITIALED BY THE BIDDER.
3. THIS BID IS TO BE MANUALLY SIGNED IN INK. FOLD HERE-->
4. BID PRICES SHALL INCLUDE DELIVERY OF ALL ITEMS F.O.B. DESTINATION OR AS OTHERWISE PROVIDED. BIDS CONTAINING "PAYMENT IN ADVANCE" OR "C.O.D" REQUIREMENTS MAY BE REJECTED. PAYMENT IS TO BE MADE WITHIN 30 DAYS AFTER RECEIPT OF PROPERLY EXECUTED INVOICE OR DELIVERY, WHICHEVER IS LATER.
5. AMOUNT OF BID BOND REQUIRED: \_\_\_\_\_ N/A
6. AMOUNT OF PERFORMANCE BOND, IF REQUIRED. \_\_\_\_\_ OR \_\_\_\_\_ 0% OF BID.
7. DESIRED DELIVERY: \_\_\_\_\_ SEE DETAILS ELSEWHERE IN DOCUMENT
8. TO ASSURE CONSIDERATION OF YOUR BID, ALL BIDS AND ADDENDA SHOULD BE RETURNED IN AN ENVELOPE OR PACKAGE CLEARLY MARKED WITH THE BID OPENING DATE AND THE BID NUMBER, OR SUBMITTED IN THE SPECIAL ENVELOPE IF FURNISHED FOR THAT PURPOSE.
9. BIDS SUBMITTED ARE SUBJECT TO PROVISIONS OF THE LAWS OF THE STATE OF LOUISIANA INCLUDING BUT NOT LIMITED TO L.R.S. 39:1551-1736; PURCHASING RULES AND REGULATIONS; EXECUTIVE ORDERS; STANDARD TERMS AND CONDITIONS; SPECIAL CONDITIONS; AND SPECIFICATIONS LISTED IN THIS SOLICITATION.
10. IMPORTANT: BY SIGNING THE BID, THE BIDDER CERTIFIES COMPLIANCE WITH ALL INSTRUCTIONS TO BIDDERS, TERMS, CONDITIONS AND SPECIFICATIONS, AND FURTHER CERTIFIES THAT THIS BID IS MADE WITHOUT COLLUSION OR FRAUD. THIS BID IS TO BE MANUALLY SIGNED IN INK BY A PERSON AUTHORIZED TO BIND THE VENDOR (SEE NO.30). ALL BID INFORMATION SHALL BE MADE WITH INK OR TYPEWRITTEN.

VENDOR PHONE NUMBER:  
FAX NUMBER:

TITLE

DATE

SIGNATURE OF AUTHORIZED BIDDER - SEE NO. 30, PAGE 3.  
(MUST BE SIGNED)

NAME OF BIDDER  
(TYPED OR PRINTED)

<b>STANDARD TERMS &amp; CONDITIONS</b>		<b>INVITATION TO BID</b>	
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11 ADDRESS ALL INQUIRIES AND CORRESPONDENCE TO THE BUYER AT THE PHONE AND ADDRESS SHOWN ABOVE.

12. CONFERENCE:  
 NA  
 NA  
 NA

13. BID FORMS.  
 ALL WRITTEN BIDS, UNLESS OTHERWISE PROVIDED FOR, MUST BE SUBMITTED ON, AND IN ACCORDANCE WITH, FORMS PROVIDED, PROPERLY SIGNED (SEE NO. 30). BIDS SUBMITTED IN THE FOLLOWING MANNER WILL NOT BE ACCEPTED:  
 A. BID CONTAINS NO SIGNATURE INDICATING INTENT TO BE BOUND;  
 B. BID FILLED OUT IN PENCIL; AND  
 C. BID NOT SUBMITTED ON THE STATE'S STANDARD FORMS.

BIDS MUST BE RECEIVED AT THE ADDRESS SPECIFIED IN THE SOLICITATION PRIOR TO BID OPENING TIME IN ORDER TO BE CONSIDERED. TELEGRAPHIC AND FAX ALTERATIONS TO BIDS RECEIVED BEFORE BID OPENING TIME WILL BE CONSIDERED PROVIDED FORMAL BID AND WRITTEN ALTERATION HAVE BEEN RECEIVED AND TIME-STAMPED BEFORE BID OPENING TIME. ENTIRE BID SHOULD BE RETURNED, EXCEPT ITEM PAGES NOT BID.

14. STANDARDS OF QUALITY.  
 ANY PRODUCT OR SERVICE BID SHALL CONFORM TO ALL APPLICABLE FEDERAL AND STATE LAWS AND REGULATIONS AND THE SPECIFICATIONS CONTAINED IN THE SOLICITATION. UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION, ANY MANUFACTURER'S NAME, TRADE NAME, BRAND NAME, OR CATALOG NUMBER USED IN THE SPECIFICATION IS FOR THE PURPOSE OF DESCRIBING THE STANDARD OF QUALITY, PERFORMANCE, AND CHARACTERISTICS DESIRED AND IS NOT INTENDED TO LIMIT OR RESTRICT COMPETITION. BIDDER MUST SPECIFY THE BRAND AND MODEL NUMBER OF THE PRODUCT OFFERED IN HIS BID. BIDS NOT SPECIFYING BRAND AND MODEL NUMBER SHALL BE CONSIDERED AS OFFERING THE EXACT PRODUCTS SPECIFIED IN THE SOLICITATION.

15. DESCRIPTIVE INFORMATION.  
 BIDDERS PROPOSING AN EQUIVALENT BRAND OR MODEL SHOULD SUBMIT WITH THE BID INFORMATION (SUCH AS ILLUSTRATIONS, DESCRIPTIVE LITERATURE, TECHNICAL DATA) SUFFICIENT FOR STATE OF LOUISIANA TO EVALUATE QUALITY, SUITABILITY, AND COMPLIANCE WITH THE SPECIFICATIONS IN THE SOLICITATION. FAILURE TO SUBMIT DESCRIPTIVE INFORMATION MAY CAUSE BID TO BE REJECTED. ANY CHANGE MADE TO A MANUFACTURER'S PUBLISHED SPECIFICATIONS SUBMITTED FOR A PRODUCT SHALL BE VERIFIABLE BY THE MANUFACTURER. IF ITEM(S) BID DO NOT FULLY COMPLY WITH SPECIFICATIONS (INCLUDING BRAND AND/OR PRODUCT NUMBER), BIDDER MUST STATE IN WHAT RESPECT ITEM(S) DEVIATE. FAILURE TO NOTE EXCEPTIONS ON THE BID FORM WILL NOT RELIEVE THE SUCCESSFUL BIDDER(S) FROM SUPPLYING THE ACTUAL PRODUCTS REQUESTED.

16. BID OPENING.  
 BIDDERS MAY ATTEND THE BID OPENING, BUT NO INFORMATION OR OPINIONS CONCERNING THE ULTIMATE CONTRACT AWARD WILL BE GIVEN AT THE BID OPENING OR DURING THE EVALUATION PROCESS. BIDS MAY BE EXAMINED WITHIN 72 HOURS AFTER BID OPENING. INFORMATION PERTAINING TO COMPLETED FILES MAY BE SECURED BY VISITING THE STATE OF LOUISIANA DURING NORMAL WORKING HOURS. WRITTEN BID TABULATIONS WILL NOT BE FURNISHED.

17. AWARDS.  
 THE STATE OF LOUISIANA RESERVES THE RIGHT TO AWARD ITEMS SEPARATELY, GROUPED OR ON AN ALL-OR-NONE BASIS AND TO REJECT ANY OR ALL BIDS AND WAIVE ANY INFORMALITIES.

18. PRICES.  
 UNLESS OTHERWISE SPECIFIED BY THE STATE OF LOUISIANA IN THE SOLICITATION, BID PRICES MUST BE COMPLETE, INCLUDING TRANSPORTATION PREPAID BY BIDDER TO DESTINATION AND FIRM FOR ACCEPTANCE FOR A MINIMUM OF 30 DAYS. IF ACCEPTED, PRICES MUST BE FIRM FOR THE CONTRACTUAL PERIOD. BIDS OTHER THAN F.O.B. DESTINATION MAY BE REJECTED. PRICES SHOULD BE QUOTED IN THE UNIT (EACH, BOX, CASE, ETC.) AS SPECIFIED IN THE SOLICITATION.

19. DELIVERIES.  
 BIDS MAY BE REJECTED IF THE DELIVERY TIME INDICATED IS LONGER THAN THAT SPECIFIED IN THE SOLICITATION.

20. TAXES.  
 VENDOR IS RESPONSIBLE FOR INCLUDING ALL APPLICABLE TAXES IN THE BID PRICE. STATE AGENCIES ARE EXEMPT FROM ALL STATE AND LOCAL SALES AND USE TAXES.

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21. NEW PRODUCTS.  
UNLESS SPECIFICALLY CALLED FOR IN THE SOLICITATION, ALL PRODUCTS FOR PURCHASE MUST BE NEW, NEVER PREVIOUSLY USED, AND THE CURRENT MODEL AND/OR PACKAGING. NO REMANUFACTURED, DEMONSTRATOR, USED OR IRREGULAR PRODUCT WILL BE CONSIDERED FOR PURCHASE UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION. THE MANUFACTURER'S STANDARD WARRANTY WILL APPLY UNLESS OTHERWISE SPECIFIED IN THE SOLICITATION.

22. CONTRACT RENEWALS.  
UPON AGREEMENT OF THE STATE OF LOUISIANA AGENCY AND THE CONTRACTOR, A TERM CONTRACT MAY BE EXTENDED FOR 2 ADDITIONAL 12-MONTH PERIODS AT THE SAME PRICES, TERMS AND CONDITIONS. IN SUCH CASES, THE TOTAL CONTRACT TERM CANNOT EXCEED 36 MONTHS.

23. CONTRACT CANCELLATION.  
THE STATE OF LOUISIANA HAS THE RIGHT TO CANCEL ANY CONTRACT, IN ACCORDANCE WITH PURCHASING RULES AND REGULATIONS, FOR CAUSE, INCLUDING BUT NOT LIMITED TO, THE FOLLOWING: (1) FAILURE TO DELIVER WITHIN THE TIME SPECIFIED IN THE CONTRACT; (2) FAILURE OF THE PRODUCT OR SERVICE TO MEET SPECIFICATIONS, CONFORM TO SAMPLE QUALITY OR TO BE DELIVERED IN GOOD CONDITION; (3) MISREPRESENTATION BY THE CONTRACTOR; (4) FRAUD, COLLUSION, CONSPIRACY OR OTHER UNLAWFUL MEANS OF OBTAINING ANY CONTRACT WITH THE STATE; (5) CONFLICT OF CONTRACT PROVISIONS WITH CONSTITUTIONAL OR STATUTORY PROVISIONS OF STATE OR FEDERAL LAW; (6) ANY OTHER BREACH OF CONTRACT.

24. DEFAULT OF CONTRACTOR.  
FAILURE TO DELIVER WITHIN THE TIME SPECIFIED IN THE BID WILL CONSTITUTE A DEFAULT AND MAY CAUSE CANCELLATION OF THE CONTRACT. WHERE THE STATE HAS DETERMINED THE CONTRACTOR TO BE IN DEFAULT, THE STATE RESERVES THE RIGHT TO PURCHASE ANY OR ALL PRODUCTS OR SERVICES COVERED BY THE CONTRACT ON THE OPEN MARKET AND TO CHARGE THE CONTRACTOR WITH COST IN EXCESS OF THE CONTRACT PRICE. UNTIL SUCH ASSESSED CHARGES HAVE BEEN PAID, NO SUBSEQUENT BID FROM THE DEFAULTING CONTRACTOR WILL BE CONSIDERED.

25. ORDER OF PRIORITY.  
IN THE EVENT THERE IS A CONFLICT BETWEEN THE INSTRUCTIONS TO BIDDERS OR STANDARD CONDITIONS AND THE SPECIAL CONDITIONS, THE SPECIAL CONDITIONS SHALL GOVERN.

26. APPLICABLE LAW.  
ALL CONTRACTS SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF LOUISIANA.

27. COMPLIANCE WITH CIVIL RIGHTS LAWS.  
BY SUBMITTING AND SIGNING THIS BID, BIDDER AGREES TO ABIDE BY THE REQUIREMENTS OF THE FOLLOWING AS APPLICABLE: TITLE VI AND VII OF THE CIVIL RIGHTS ACT OF 1964, AS AMENDED BY THE EQUAL OPPORTUNITY ACT OF 1972, FEDERAL EXECUTIVE ORDER 11246, FEDERAL REHABILITATION ACT OF 1973, AS AMENDED, THE VETERAN'S READJUSTMENT ASSISTANCE ACT OF 1974, TITLE IX OF THE EDUCATION AMENDMENTS OF 1972, THE AGE ACT OF 1975, AND BIDDER AGREES TO ABIDE BY THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT OF 1990. BIDDER AGREES NOT TO DISCRIMINATE IN ITS EMPLOYMENT PRACTICES, AND WILL RENDER SERVICES UNDER ANY CONTRACT ENTERED INTO AS A RESULT OF THIS SOLICITATION WITHOUT REGARD TO RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, VETERAN STATUS, POLITICAL AFFILIATION, OR DISABILITIES. ANY ACT OF DISCRIMINATION COMMITTED BY BIDDER, OR FAILURE TO COMPLY WITH THESE STATUTORY OBLIGATIONS WHEN APPLICABLE, SHALL BE GROUNDS FOR TERMINATION OF ANY CONTRACT ENTERED INTO AS A RESULT OF THIS SOLICITATION.

28. SPECIAL ACCOMMODATION.  
ANY "QUALIFIED INDIVIDUAL WITH A DISABILITY" AS DEFINED BY THE AMERICANS WITH DISABILITIES ACT WHO HAS SUBMITTED A BID AND DESIRES TO ATTEND THE BID OPENING, MUST NOTIFY THIS OFFICE IN WRITING NOT LATER THAN SEVEN DAYS PRIOR TO THE BID OPENING DATE OF THEIR NEED FOR SPECIAL ACCOMMODATIONS. IF THE REQUEST CANNOT BE REASONABLY PROVIDED, THE INDIVIDUAL WILL BE INFORMED PRIOR TO THE BID OPENING.

29. INDEMNITY.  
CONTRACTOR AGREES, UPON RECEIPT OF WRITTEN NOTICE OF A CLAIM OR ACTION, TO DEFEND THE CLAIM OR ACTION, OR TAKE OTHER APPROPRIATE MEASURE, TO INDEMNIFY, AND HOLD HARMLESS, THE STATE, ITS OFFICERS, ITS AGENTS AND ITS EMPLOYEES FROM AND AGAINST ALL CLAIMS AND ACTIONS FOR BODILY INJURY, DEATH OR PROPERTY DAMAGES CAUSED BY THE FAULT OF THE CONTRACTOR, ITS OFFICERS, ITS AGENTS, OR ITS EMPLOYEES. CONTRACTOR IS OBLIGATED TO INDEMNIFY ONLY TO THE EXTENT OF THE FAULT OF THE CONTRACTOR, ITS OFFICERS, ITS AGENTS, OR ITS EMPLOYEES. HOWEVER, THE CONTRACTOR SHALL HAVE NO OBLIGATION AS SET FORTH ABOVE WITH RESPECT TO ANY CLAIM OR ACTION FROM BODILY INJURY, DEATH OR PROPERTY DAMAGES ARISING OUT OF THE FAULT OF THE STATE, ITS OFFICERS, ITS AGENTS OR ITS EMPLOYEES.

30. SIGNATURE AUTHORITY.  
IN ACCORDANCE WITH L.R.S. 39:1594 (ACT 121), THE PERSON SIGNING THE BID MUST BE:

1. A CURRENT CORPORATE OFFICER, PARTNERSHIP MEMBER OR OTHER INDIVIDUAL SPECIFICALLY AUTHORIZED TO SUBMIT A BID AS REFLECTED IN THE APPROPRIATE RECORDS ON FILE WITH THE SECRETARY OF STATE; OR
2. AN INDIVIDUAL AUTHORIZED TO BIND THE VENDOR AS REFLECTED BY A CORPORATE RESOLUTION, CERTIFICATE OR AFFIDAVIT; OR
3. OTHER DOCUMENTS INDICATING AUTHORITY WHICH ARE ACCEPTABLE TO THE PUBLIC ENTITY.

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1 BID DELIVERY INSTRUCTIONS FOR STATE PURCHASING:

BIDDERS ARE HEREBY ADVISED THAT THE U.S. POSTAL SERVICE DOES NOT MAKE DELIVERIES TO OUR PHYSICAL LOCATION.

BIDS MAY BE MAILED THROUGH THE U.S. POSTAL SERVICE TO OUR BOX AT:  
 OFFICE OF STATE PURCHASING  
 P O BOX 94095  
 BATON ROUGE LA 70804-9095

BIDS MAY BE DELIVERED BY HAND OR COURIER SERVICE TO OUR PHYSICAL LOCATION AS FOLLOWS:

OFFICE OF STATE PURCHASING  
 CLAIBORNE BUILDING, SUITE 2-160  
 1201 NORTH THIRD STREET  
 BATON ROUGE, LA 70802

BIDDER IS SOLELY RESPONSIBLE FOR ENSURING THAT ITS COURIER SERVICE PROVIDER MAKES INSIDE DELIVERIES TO OUR PHYSICAL LOCATION. THE OFFICE OF STATE PURCHASING IS NOT RESPONSIBLE FOR ANY DELAYS CAUSED BY THE THE BIDDER'S CHOSEN MEANS OF BID DELIVERY.

BIDDER IS SOLELY RESPONSIBLE FOR THE TIMELY DELIVERY OF ITS BID. FAILURE TO MEET THE BID OPENING DATE & TIME SHALL RESULT IN REJECTION OF THE BID.

\*\*\*\*\*  
 PUBLICIZING AWARDS. IN ACCORDANCE WITH L.A.C.34:I.535, UNSUCCESSFUL BIDDERS WILL BE NOTIFIED OF THE AWARD PROVIDED THAT THEY SUBMIT WITH THEIR BID A SELF-ADDRESSED STAMPED ENVELOPE REQUESTING THIS INFORMATION.  
 \*\*\*\*\*

2 COMPLIANCE WITH CIVIL RIGHTS LAWS. BY SUBMITTING AND SIGNING THIS SOLICITATION, THE BIDDER AGREES TO ABIDE BY THE REQUIREMENTS OF THE FOLLOWING AS APPLICABLE: TITLE VI AND TITLE VII OF THE CIVIL RIGHTS ACT OF 1964, AS AMENDED BY THE EQUAL OPPORTUNITY ACT OF 1972, FEDERAL EXECUTIVE ORDER 11246, THE FEDERAL REHABILITATION ACT OF 1973, AS AMENDED, THE VIETNAM ERA VETERAN'S READJUSTMENT ASSISTANCE ACT OF 1974, TITLE IX OF THE EDUCATION AMENDMENTS OF 1972, THE AGE ACT OF 1975, AND BIDDER AGREES TO ABIDE BY THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT OF 1990. BIDDER AGREES NOT TO DISCRIMINATE IN ITS EMPLOYMENT PRACTICES, AND WILL RENDER SERVICES UNDER ANY CONTRACT ENTERED INTO AS A RESULT OF THIS SOLICITATION, WITHOUT REGARD TO RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, VETERAN STATUS, POLITICAL AFFILIATION, OR DISABILITIES. ANY ACT OF DISCRIMINATION COMMITTED BY BIDDER, OR FAILURE TO COMPLY WITH THESE STATUTORY OBLIGATIONS WHEN APPLICABLE, SHALL BE GROUNDS FOR TERMINATION OF ANY CONTRACT ENTERED INTO AS A RESULT OF THIS SOLICITATION.

3 PREFERENCE. IN ACCORDANCE WITH LOUISIANA REVISED STATUTES 39:1595, A PREFERENCE MAY BE ALLOWED FOR PRODUCTS MANUFACTURED, PRODUCED, GROWN, OR ASSEMBLED IN LOUISIANA OF EQUAL QUALITY.

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DO YOU CLAIM THIS PREFERENCE? YES \_\_\_\_\_

SPECIFY LINE NUMBER(S) : \_\_\_\_\_

SPECIFY LOCATION WITHIN LOUISIANA WHERE THIS PRODUCT IS MANUFACTURED,  
PRODUCED, GROWN OR ASSEMBLED: \_\_\_\_\_

(NOTE: IF MORE SPACE IS REQUIRED, INCLUDE ON SEPARATE SHEET.)

DO YOU HAVE A LOUISIANA BUSINESS WORKFORCE? YES \_\_\_\_\_ NO \_\_\_\_\_

IF SO, DO YOU CERTIFY THAT AT LEAST FIFTY PERCENT (50%) OF YOUR  
LOUISIANA BUSINESS WORKFORCE IS COMPRISED OF LOUISIANA RESIDENTS?

YES \_\_\_\_\_ NO \_\_\_\_\_

FAILURE TO SPECIFY ABOVE INFORMATION MAY CAUSE ELIMINATION FROM  
PREFERENCES. PREFERENCES SHALL NOT APPLY TO SERVICE CONTRACTS.

## PRICE SHEET

## INVITATION TO BID

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY FROM/TO	UNIT	UNIT PRICE	EXTENDED TOTAL
	UNLESS SPECIFIED ELSEWHERE SHIP TO: WILDLIFE & FISHERIES ROCKEFELLER FUR & REFUGE 5476 GRAND CHENIER HWY. GRAND CHENIER, LA 70643				
00001	COMMODITY CODE: 210-29-000000  FURNISH AND DELIVER NEW 30' LONG X 48" DIAMETER ALUMINUM CULVERT WITH A WEIR STRUCTURE ON ONE END AND AN AUTOMATIC SCREW GATE ON THE OTHER END TO BE BUILT PER THE ATTACHED DRAWINGS AND SPECIFICATIONS:  NOTE: AGENCY PERSONEL WILL UNLOAD AND SET IN PLACE. DELIVER TO: ROCKERFELLER REFUGE GRAND CHENIER, LA  CONTACT PERSON: (225) 765-2816 DENNIS KROPOG  SPECIFY BRAND (& NUMBER IF APPLICABLE)	3	EACH		

## COMBINATION CANAL & AUTOMATIC DRAINAGE GATE

### 1.1 Sluice Gate:

- 1.1.1 Aluminum slide gates with automatic drainage capabilities, where shown on the plans or indicated in the specifications shall be model AFC-331 aluminum slide gates with resilient seal as manufactured by Waterman Industries, Inc., or equal.
- 1.1.2 The gates will be self-contained, rising stem of the spigotback design for attaching to corrugated pipe.
- 1.1.3 Guide frames shall be of extruded aluminum shape, of sufficient section to carry the operating forces of the gate, and shall have UHMW polyethylene inserts on which the slide assembly travels to minimize friction. A spigot ring will be welded to the guides and have a seating surface at minimum 1-1/2° angle to which a resilient J-Bulb seal shall be attached or held in place by a substantial section ring.
- 1.1.4 Dual Headrails (Yokes) shall be welded to the guide rails and so positioned that the slide is removable from the gate. The slide shall be aluminum plate suitable reinforced with extruded structural shapes for the head requirements specified and will not deflect more than 1/360 of the gate width under the design head. Suitable side guides will be welded to the slide, which will travel within the guides, and place the cover in an angle corresponding to the seat surface of the guide frame assembly. A rising stainless steel stem having modified acme type threads shall attach to the slide with a clevis and pin arrangement.
- 1.1.5 The stem will be designed to have a L/r of 200 or less and to withstand in compression at least twice the rated output of the lift at 40 lb pull. A suitable enclosed gear lift operator should be mounted on the headrails (yoke) of the gate and will require a maximum 40 lb pull on the crank handle to operate the gate.
- 1.1.6 Spigotback gates will be attached to corrugated metal pipe by drilling the pipe with 7/16" holes and secured with 3/8" stainless steel bolts, maximum spacing to be 8" on circumference of pipe. Sealing between pipe and gate will be made with a suitable mastic sealing material to assure water tightness at this joint.
- 1.1.7 The gate, when installed, shall have no more than 0.01 gpm leakage perfoot of sealing periphery for seating or unseating heads up to 15 feet.
- 1.1.8 Aluminum and stainless steel will be mill finish. Paint for lifts will be manufacturer's standards.

### 1.2 Sluice Gate Material:

- 1.2.1 Aluminum plates and shapes shall be ASTM-B211 Alloy 6061-T6
- 1.2.2 J-bulb seal shall be Neoprene ASTM-CB610-625, D-2000
- 1.2.3 Fasteners shall be ASTM F593 and F594 Type 304 or 316
- 1.2.4 Stem shall be ASTM A-276 Type 304 or 316
- 1.2.5 Enclosed gear lift shall be cast iron ASTM A-126 CL B with manganese bronze lift nut per ASTM B-584 alloy 865

Frame, cover, retainer ring, hinge arm, and pivot lug are of aluminum alloy 6061-T6.

1.3

1.4

1.5

Welding Surface Preparation:

1.3.1 Aluminum sheet and plate that is to be welded should be carefully stored and handled. Clean, dry storage is preferred. If outdoor storage is necessary, the plate should be covered or stored on edge with interspacing to prevent staining. Aluminum should not be primed or painted before welding.

1.3.2 Pieces to be welded are usually sheared, formed, sawed, or machined prior to the welding operation. Complete removal of the lubricants from these operations is a prerequisite for high-quality welds. Particular care must be taken to remove all oil, other hydrocarbons and loose particles from sawed or sheared edges prior to welding. Sheared edges should be clean and smooth, not ragged. For ease of cleaning, lubricants used in fabrication should be promptly removed.

1.3.3 To reduce the possibility of porosity and dross in welds, cleanliness of the welding surfaces cannot be overemphasized. Hydrogen can cause porosity and oxygen can cause dross in welds. Oxides, greases and oil films contain oxygen and hydrogen that, if left on the edges to be welded, will cause unsound welds with poor mechanical and electrical properties.

*.corrugJ.ed Aluminum Culverts: 1.4.1*

The spiral continuous weld aluminum pipe shall be fabricated with 22/3" by Y2" annular corrugations with rerolled annular ends. The pipe shall be made of alloy 3004 clad with alloy 7072 containing 1 % zinc. (AASHTO M-197 current addition) The gauge will be 12 gauge. The LDWF will be furnished with a statement that the material conforms to the specified chemical composition limits.

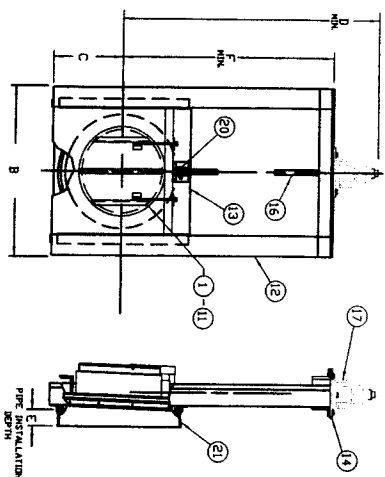
Connecting Bands- No bands will be allowed on the pipe. The flap gate and weir type inlet shall be attached to one continuous 30' length of pipe. Weir type inlets will be manufactured as per plan and specification. Corrugated panel section forming the drop inlet shall be overlapped on corrugations and welded solid inside and strip welded outside forming a watertight seal. The corrugation shall run horizontal.

Timber Stop Logs:

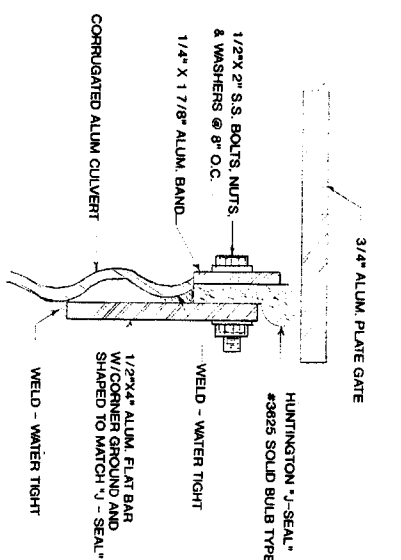
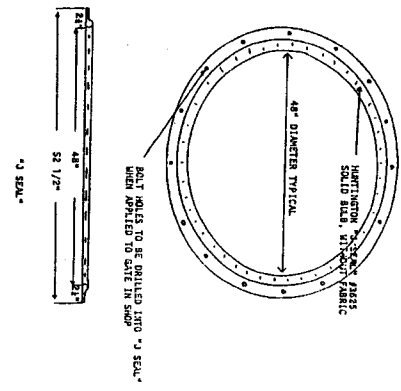
1.5.1 Timber stop logs for the weir type inlets shall be 4"x6" tongue and groove southern yellow pine, No.1 S4S treated with creosote preservative to minimum retention of 16# pcf.

1.5.2 All timber stop logs to have installed two each 1 foot by % " stainless steel lift pin as per detail.



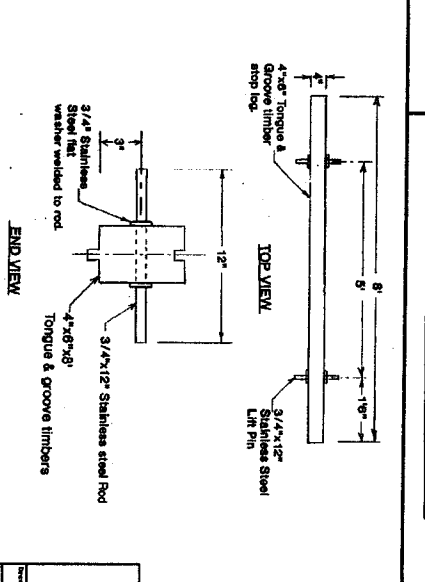
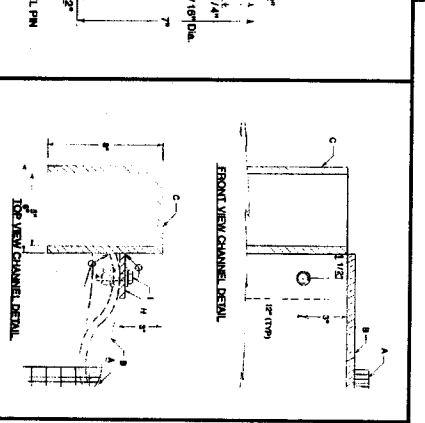
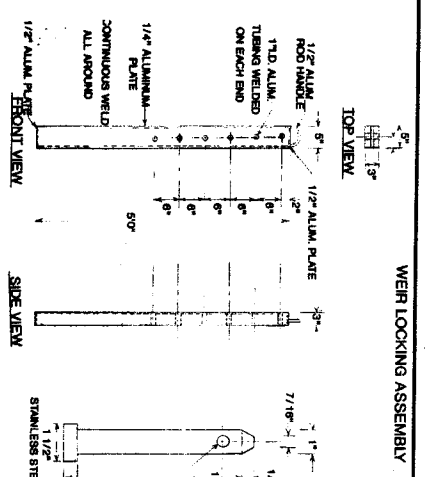
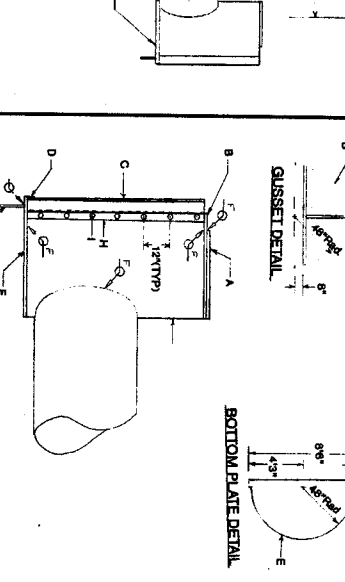
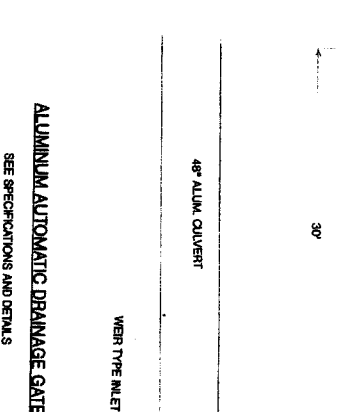
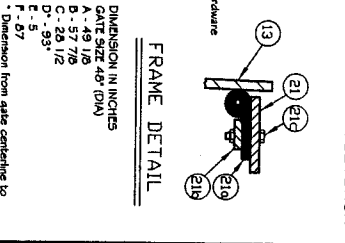


SPIGOT BACK



COMBINATION CANAL & AUTOMATIC DRAINAGE GATE

- PARTS LIST**
- No. Name No. Name
- 1 Flap Gate Frame 13 Canal Gate Cover
  - 2 Flap Gate Seal 14 Top Plate
  - 3 Flap Gate Seal 15 Flap Gate Seal
  - 4 Flap Gate Seal 16 Flap Gate Seal
  - 5 Flap Gate Seal 17 Flap Gate Seal
  - 6 Flap Gate Seal 18 Flap Gate Seal
  - 7 Flap Gate Seal 19 Flap Gate Seal
  - 8 Flap Gate Seal 20 Flap Gate Seal
  - 9 Flap Gate Seal 21 Flap Gate Seal
  - 10 Flap Gate Seal 22 Flap Gate Seal
  - 11 Flap Gate Seal 23 Flap Gate Seal
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  - 87 Flap Gate Seal 99 Flap Gate Seal
  - 88 Flap Gate Seal 100 Flap Gate Seal



**COMBINATION CANAL & AUTOMATIC DRAINAGE GATE**

Louisiana Department of Wildlife and Fisheries

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Phone: (504) 386-1111

Fax: (504) 386-1112

Internet: www.dfw.state.la.us

Project No. \_\_\_\_\_

Client: \_\_\_\_\_

Design: \_\_\_\_\_

Drawn: \_\_\_\_\_

Check: \_\_\_\_\_

Scale: \_\_\_\_\_

Date: \_\_\_\_\_